



REFERENCE MATERIAL CERTIFICATE

This certificate supersedes all previous issues.



A2LA Accredited
Reference Material Producer
Certificate Number 3189.03

Product Name MV0030 Hygiene/Coliform Daily Control

Batch Number RM6171

Hazard Information This material contains micro-organisms. Please take suitable precautions at all times when handling this reference material. Please download Safety Data Sheet via below link:
[SDS Microbiological Reference Material](#)

Description of the Material Freeze dried Pellet

Presentation	Individual units are heat sealed in a plastic bag and placed in a plastic jar
Number of Units provided:	Five (5)
Each unit consists of:	1 pellet
Units are contained in:	Stoppered glass vials

Target Organism Content	Organism Name (IFM Number)
	<i>Aspergillus niger</i> (0019)
	<i>Candida utilis</i> (0016)
	<i>Escherichia coli</i> (2005)
	<i>Klebsiella aerogenes</i> (2201)

Intended Use	Microbiological Reference Material	
Instructions for Use	Store unopened material at 2°C - 6°C protected from light until used. Use aseptic technique at all times. 1. Aseptically open the vial. 2. Add 10ml of Peptone water or Butterfields solution into the vial. 3. Dissolve the pellet using a sterile transfer pipette and mix thoroughly. 4. Stand for 30 minutes at room temperature, protected from light. 5. Dilute to achieve counts in suitable ranges for work being undertaken. 6. Refer to the table below for reference values. Mix thoroughly before testing to resuspend settled product. Materials must only be used on the day of preparation. Once prepared, materials must be stored at 2°C - 6°C protected from light. Values quoted in this certificate do not apply when the reference material is used in a manner contrary to the instructions. Values quoted have been statistically verified using the instructions described above. The specified volume in the instructions is the minimum sample size required to yield the defined quantitative parameters.	
Date of Certification	August 18, 2026	
Certificate Expiry	November 18, 2026	This material will be recertified after this expiry date.
Product Expiry	March 22, 2027	

Certified values and their uncertainties

Tests were conducted on:

Data was log transformed prior to applying statistical processes. The assigned value is the average of results on the declared day of test. The expanded uncertainty of the assigned value is based on the combined standard uncertainty in accordance with ISO 17034 (where $k = 2$ is the coverage factor for 95% confidence). The lower limit takes into account the expected decline of the microbe levels over the certification interval. These have been calculated using all factors as described in ISO 17034.

August 10, 2026

5 replicate data points were used to generate this certificate

Results are
expressed as
cfu/vial

Test Name (Method Reference)	Assigned Value	Expanded Uncertainty (log ₁₀ value)	Standard Deviation (log ₁₀ value)	Calculated Limits for Daily Control Purposes	
				High limit	Low limit
Coliform Count (IFM0705)	1.1E+04	0.21	0.07	1.8E+04	2.9E+03
E. coli Count (IFM0705)	4.2E+03	0.29	0.08	7.9E+03	1.1E+03
Mould Count (IFM0703.3)	3.5E+03	0.32	0.03	7.4E+03	5.8E+02
Standard Plate Count (IFM0701.3)	2.2E+04	0.21	0.05	3.6E+04	5.2E+03
Yeast Count (IFM0703.3)	1.1E+03	0.19	0.02	1.7E+03	5.1E+02

Additional Test Comments/Information

Test Names marked with an * are not within the scope of accreditation

Authorised By

Trevor Rumbekuan, Production Officer

Control Chart for: Coliform Count (IFM0705)						2936		5887		8838		11789		14741		17692		MV0030 Hygiene/Coliform Daily Control	
Certification Date: 18/08/2026						Expiry: 18/11/2026												RM6171	
CRM Solution Preparation Date	Test Date	Details of settings / dilutions	Media Name and Batch / Method details	Date / Initials	Count obtained	less than	2937	to	5888	to	8839	to	11790	to	14742	to	17692	more than	Date / Initials
Assessed and reviewed by:			Comments:																

Control Chart for: E. coli Count (IFM0705)						1149											MV0030 Hygiene/Coliform Daily Control
Certification Date: 18/08/2026						1150	to	2508	to	3867	to	5226	to	6585	to	7944	RM6171
CRM Solution Preparation Date	Test Date	Details of settings / dilutions	Media Name and Batch / Method details	Date / Initials	Count obtained	less than										more than	Date / Initials
Assessed and reviewed by:			Comments:														

Control Chart for: Mould Count (IFM0703.3)						585											MV0030 Hygiene/Coliform Daily Control	
Certification Date: 18/08/2026						Expiry: 18/11/2026												RM6171
CRM Solution Preparation Date	Test Date	Details of settings / dilutions	Media Name and Batch / Method details	Date / Initials	Count obtained	less than	586	to	1942	to	3300	to	4658	to	6015	to	7373	Date / Initials
Assessed and reviewed by:			Comments:															

Control Chart for:

Standard Plate Count (IFM0701.3)

Certification Date: 18/08/2026

Expiry: 18/11/2026

CRM Solution Preparation Date	Test Date	Details of settings / dilutions	Media Name and Batch / Method details	Date / Initials	Count obtained	less than	5152	11291	17431	23571	29710	more than 3	Date / Initials
Assessed and reviewed by:			Comments:										

Control Chart for: Yeast Count (IFM0703.3)						511											MV0030 Hygiene/Coliform Daily Control	
Certification Date: 18/08/2026						Expiry: 18/11/2026												RM6171
CRM Solution Preparation Date	Test Date	Details of settings / dilutions	Media Name and Batch / Method details	Date / Initials	Count obtained	less than	512	to	752	to	992	to	1233	to	1473	to	1713	Date / Initials
Assessed and reviewed by:			Comments:															